

WHAT IS CLAIMED IS:

1. A PC card control device, comprising:

a connector; and

a PC card identifying part configured to identify a type of a card connected with the connector, the PC card identifying part including,

an identification information acquisition part configured to acquire identification information of the connected card from the connected card with a method conforming to a standard;

a first recording part recording pieces of first card information and pieces of first identification information of one or more types of PC cards conforming to the standard; and

a second recording part recording pieces of second card information and pieces of second identification of one or more types of expansion cards not conforming to the standard,

wherein the PC card identifying part identifies the type of the connected card based upon the identification information of the connected card acquired by the identification information acquisition part and at least the pieces of second identification information recorded in the second recording part, and to output a result of identifying the type of the connected card and card information of the connected card.

2. The PC card control device according to Claim 1, further comprising:

a signal conversion part configured to establish a circuit

line to exchange signals with the connected card based upon the result of identifying the type of the connected card which has been output from the PC card identifying part.

3. The PC card control device according to Claim 1,
wherein the standard is a PCMCIA standard; and

wherein the pieces of second identification information recorded in the second recording part are pieces of information that are acquired by the identification information acquisition part when PC cards conforming to the PCMCIA standard are connected with the PC card control device, respectively, from the connected PC cards with the method conforming to the PCMCIA standard, first and second card detect signal lines and first and second voltage select lines of each of the PC cards being connected with each other as in any of following cases: a case (1) wherein the first card detect signal line is connected with the first voltage select signal line and the second card detect signal line is connected with the second voltage select signal line, a case (2) wherein the first card detect signal line is connected with the second voltage select signal line and the second card detect signal line is connected with the first voltage select signal line, a case (3) wherein the first and second card detect signal lines are connected with the second voltage select signal line and the second voltage select signal line is grounded, a case (4) wherein the first and second card detect signal lines are connected with the first voltage select signal line and the first voltage select signal line is opened,

a case (5) wherein the first and second card detect signal lines are connected with the first voltage select signal line and the second voltage select signal line is grounded, and a case (6) wherein the first and second card detect signal lines are connected with the first voltage select signal line and the second voltage select signal line is opened.

4. A PC card control device comprising:

a PC card identifying part configured to identify a type of a card connected with the PC card control device, the PC card identifying part including,

an identification information acquisition part configured to acquire identification information of the connected card from the connected card,

a first recording part recording pieces of first card information of one or more types of PC cards conforming to a standard, and pieces of first identification information of the one or more types of PC cards to be acquired by the identification information acquisition part when the one or more types of PC cards are connected with the PC card control device, respectively, and

a second recording part recording pieces of second card information of one or more types of expansion cards not conforming to the standard, and pieces of second identification information of the one or more types of expansion cards to be acquired by the identification information acquisition part when the one or more types of expansion cards are connected with

the PC card control device, respectively, and

wherein the PC card identifying part identifies the type of the connected card based upon the identification information of the connected card acquired by the identification information acquisition part and at least the pieces of second identification information recorded in the second recording part, and to output a result of identifying the type of the connected card and card information of the connected card; and

a signal conversion part configured to establish a circuit line to exchange signals with the connected card based upon the result of identifying the type of the connected card which been output from the PC card identifying part,

wherein the pieces of second card information and the pieces of second identification information of the one or more types of expansion cards recorded in the second recording part can be updated from the outside.

5. The PC card control device according to Claim 4, wherein the standard is a PCMCIA standard.

6. The PC card control device according to Claim 5, wherein the pieces of second identification information recorded in the second recording part are pieces of information that are acquired by the identification information acquisition part when PC cards conforming to the PCMCIA standard are connected with the PC card control device, respectively, from

the connected PC cards with the method conforming to the PCMCIA standard, first and second card detect signal lines and first and second voltage select lines of each of the PC cards being connected with each other as in any of following cases: a case (1) wherein the first card detect signal line is connected with the first voltage select signal line and the second card detect signal line is connected with the second voltage select signal line, a case (2) wherein the first card detect signal line is connected with the second voltage select signal line and the second card detect signal line is connected with the first voltage select signal line, a case (3) wherein the first and second card detect signal lines are connected with the second voltage select signal line and the second voltage select signal line is grounded, a case (4) wherein the first and second card detect signal lines are connected with the first voltage select signal line and the first voltage select signal line is opened, a case (5) wherein the first and second card detect signal lines are connected with the first voltage select signal line and the second voltage select signal line is grounded, and a case (6) wherein the first and second card detect signal lines are connected with the first voltage select signal line and the second voltage select signal line is opened.

7. A computer system comprising:

a PC card control device comprising;

a PC card identifying part configured to identify a type of a card connected with the PC card control device, the

PC card identifying part including an identification information acquisition part configured to acquire identification information of the connected card from the connected card, a first recording part recording pieces of first card information of one or more types of PC cards conforming to a standard, and pieces of first identification information of the one or more types of PC cards to be acquired by the identification information acquisition part when each of the one or more types of PC cards is connected with the PC card control device, and a second recording part recording pieces of second card information of one or more types of expansion cards not conforming to the standard, and pieces of second identification information of the one or more types of expansion cards to be acquired by the identification information acquisition part when each of the one or more types of expansion card is connected with the PC card control device, wherein the PC card identifying part identifies the type of the connected card based upon the identification information of the connected card acquired by the identification information acquisition part and at least the pieces of second identification information recorded in the second recording part, and outputs a result of identifying the type of the connected card and card information of the connected card; and

a signal conversion part configured to establish a circuit line to exchange signals with the connected card based upon the result of identifying the type of the connected card which has been output from the PC card identifying part,

wherein the pieces of second card information and the pieces of second identification information of the one or more types of expansion cards recorded in the second recording part can be updated from the outside; and

a recognition device configured to recognize the type of the connected card based upon the card information of the connected card which has been output by the PC card identifying part of the PC card control device.

8. A computer system comprising:

a PC card control device comprising;

a PC card identifying part configured to identify a type of a card connected with the PC card control device, the PC card identifying part including an identification information acquisition part configured to acquire identification information of the connected card from the connected card, a first recording part recording pieces of first card information of one or more types of PC cards conforming to a standard, and pieces of first identification information of the one or more types of PC cards to be acquired by the identification information acquisition part when the one or more types of PC cards are connected with the PC card control device, respectively, and a second recording part recording pieces of second card information of one or more types of expansion cards not conforming to the standard, and pieces of second identification information of the one or more types of expansion cards to be acquired by the identification

information acquisition part when the one or more types of expansion cards are connected with the PC card control device, respectively, wherein the PC card identifying part identifies the type of the connected card based upon the identification information of the connected card acquired by the identification information acquisition part and at least the pieces of second identification information recorded in the second recording part, and to output a result of identifying the type of the connected card and card information of the connected card; and

a signal conversion part configured to establish a circuit line to exchange signals with the connected card based upon the result of identifying the type of the connected card which been output from the PC card identifying part,

wherein the pieces of second card information and the pieces of second identification information of the one or more types of expansion cards recorded in the second recording part can be updated from the outside; and

a data updating device configured to update the pieces of second card information and the pieces of second identification information of the one or more types of expansion cards recorded in the second recording part of the PC card control device.

9. A PC card control device, comprising:

an identification information acquisition part configured to acquire identification information of a card connected with the PC card control device from the connected

card with a method conforming to a standard;

a first recording part recording pieces of first card information and pieces of first identification information of one or more types of PC cards conforming to the standard;

a second recording part recording pieces of second card information and pieces of second identification information of one or more types of expansion cards not conforming to the standard;

a card identifying device configured to identify a type of the connected card based upon the identification information of the connected card acquired by the identification information acquisition part and at least the pieces of second identification information recorded in the second recording part, and to output a result of identifying the type of the connected card; and

a card information detect part configured to detect card information of the connected card based upon the result of identifying the type of the connected card by the card identifying device.

10. The PC card control device according to Claim 9, further comprising:

a signal conversion part configured to establish a circuit line to exchange signals with the connected card based upon the result of identifying the type of the connected card which has been output from the card identifying device.

11. The PC card control device according to Claim 9, wherein the pieces of second card information and the pieces of second identification information of the one or more types of expansion cards recorded in the second recording part can be updated from the outside.

12. The PC card control device according to Claim 9, wherein the standard is a PCMCIA standard.

13. The PC card control device according to Claim 12, wherein the pieces of second identification information recorded in the second recording part are pieces of information that are acquired by the identification information acquisition part when PC cards conforming to the PCMCIA standard are connected with the PC card control device, respectively, from the connected PC cards with the method conforming to the PCMCIA standard, first and second card detect signal lines and first and second voltage select lines of each of the PC cards being connected with each other as in any of following cases: a case (1) wherein the first card detect signal line is connected with the first voltage select signal line and the second card detect signal line is connected with the second voltage select signal line, a case (2) wherein the first card detect signal line is connected with the second voltage select signal line and the second card detect signal line is connected with the first voltage select signal line, a case (3) wherein the first and second card detect signal lines are connected with the second

voltage select signal line and the second voltage select signal line is grounded, a case (4) wherein the first and second card detect signal lines are connected with the first voltage select signal line and the first voltage select signal line is opened, a case (5) wherein the first and second card detect signal lines are connected with the first voltage select signal line and the second voltage select signal line is grounded, and a case (6) wherein the first and second card detect signal lines are connected with the first voltage select signal line and the second voltage select signal line is opened.

14. A computer system comprising:

a PC card control device including;

an identification information acquisition part configured to acquire identification information of a card connected with the PC card control device from the connected card with a method conforming to a standard,

a first recording part recording pieces of first card information and pieces of first identification information of one or more types of PC cards conforming to the standard,

a second recording part recording pieces of second card information and pieces of second identification information of one or more types of expansion cards not conforming to the standard,

a card identifying device configured to identify a type of the connected card based upon the identification information of the connected card acquired by the

identification information acquisition part and at least the pieces of second identification information recorded in the second recording part, and to output a result of identifying the type of the connected card, and

a card information detect part configured to detect card information of the connected card based upon the result of identifying the type of the connected card by the card identifying device; and

a recognition device configured to recognize the type of the connected card based upon the card information of the connected card which has been output by the PC card identifying part of the PC card control device.

15. A computer system comprising:

a PC card control device including;

an identification information acquisition part configured to acquire identification information of a card connected with the PC card control device from the connected card with a method conforming to a standard,

a first recording part recording pieces of first card information and pieces of first identification information of one or more types of PC cards conforming to the standard,

a second recording part recording pieces of second card information and pieces of second identification information of one or more types of expansion cards not conforming to the standard,

a card identifying device configured to identify a

type of the connected card based upon the identification information of the connected card acquired by the identification information acquisition part and at least the pieces of second identification information recorded in the second recording part, and to output a result of identifying the type of the connected card, and

a card information detect part configured to detect card information of the connected card based upon the result of identifying the type of the connected card by the card identifying device; and

a data updating device configured to update the pieces of second card information and the pieces of second identification information of the one or more types of expansion cards recorded in the second recording part of the PC card control device.

16. A PC card control device, comprising:

a connector; and

PC card identifying means for identifying a type of a card connected with the connector, the PC card identifying means including,

identification information acquiring means for acquiring identification information of the connected card from the connected card with a method conforming to a standard;

first recording means for recording pieces of first card information and pieces of first identification information of one or more types of PC cards conforming to the standard; and

second recording means for recording pieces of second card information and pieces of second identification of one or more types of expansion cards not conforming to the standard,

wherein the PC card identifying means identifies the type of the connected card based upon the identification information of the connected card acquired by the identification information acquiring means and at least the pieces of second identification information recorded in the second recording means, and to output a result of identifying the type of the connected card and card information of the connected card.

17. The PC card control device according to Claim 16, further comprising:

signal conversion means for establishing a circuit line to exchange signals with the connected card based upon the result of identifying the type of the connected card which has been output from the PC card identifying means.

18. A PC card control device comprising:

PC card identifying means for identifying a type of a card connected with the PC card control device, the PC card identifying means including,

identification information acquiring means for acquiring identification information of the connected card from the connected card,

first recording means for recording pieces of first card information of one or more types of PC cards conforming

to a standard, and pieces of first identification information of the one or more types of PC cards to be acquired by the identification information acquiring means when the one or more types of PC cards are connected with the PC card control device, respectively, and

second recording means for recording pieces of second card information of one or more types of expansion cards not conforming to the standard, and pieces of second identification information of the one or more types of expansion cards to be acquired by the identification information acquiring means when the one or more types of expansion cards are connected with the PC card control device, respectively, and

wherein the PC card identifying means identifies the type of the connected card based upon the identification information of the connected card acquired by the identification information acquiring means and at least the pieces of second identification information recorded in the second recording means, and to output a result of identifying the type of the connected card and card information of the connected card; and

signal conversion means for establishing a circuit line to exchange signals with the connected card based upon the result of identifying the type of the connected card which been output from the PC card identifying means,

wherein the pieces of second card information and the pieces of second identification information of the one or more types of expansion cards recorded in the second recording means

can be updated from the outside.

19. A computer system comprising:

a PC card control device comprising;

PC card identifying means for identifying a type of a card connected with the PC card control device, the PC card identifying means including identification information acquiring means for acquiring identification information of the connected card from the connected card, first recording means for recording pieces of first card information of one or more types of PC cards conforming to a standard, and pieces of first identification information of the one or more types of PC cards to be acquired by the identification information acquiring means when each of the one or more types of PC cards is connected with the PC card control device, and second recording means for recording pieces of second card information of one or more types of expansion cards not conforming to the standard, and pieces of second identification information of the one or more types of expansion cards to be acquired by the identification information acquiring means when each of the one or more types of expansion card is connected with the PC card control device, wherein the PC card identifying means identifies the type of the connected card based upon the identification information of the connected card acquired by the identification information acquiring means and at least the pieces of second identification information recorded in the second recording means, and outputs a result of identifying the type of the

connected card and card information of the connected card; and
signal conversion for establishing a circuit line to
exchange signals with the connected card based upon the result
of identifying the type of the connected card which has been
output from the PC card identifying means,

wherein the pieces of second card information and the
pieces of second identification information of the one or more
types of expansion cards recorded in the second recording means
can be updated from the outside; and

recognition means for recognizing the type of the
connected card based upon the card information of the connected
card which has been output by the PC card identifying means of
the PC card control device.

20. A computer system comprising:

a PC card control device comprising;

PC card identifying means for identifying a type of
a card connected with the PC card control device, the PC card
identifying means including identification information
acquiring means for acquiring identification information of the
connected card from the connected card, first recording means
for recording pieces of first card information of one or more
types of PC cards conforming to a standard, and pieces of first
identification information of the one or more types of PC cards
to be acquired by the identification information acquiring
means when the one or more types of PC cards are connected with
the PC card control device, respectively, and second recording

means for recording pieces of second card information of one or more types of expansion cards not conforming to the standard, and pieces of second identification information of the one or more types of expansion cards to be acquired by the identification information acquiring means when the one or more types of expansion cards are connected with the PC card control device, respectively, wherein the PC card identifying means identifies the type of the connected card based upon the identification information of the connected card acquired by the identification information acquiring means and at least the pieces of second identification information recorded in the second recording means, and to output a result of identifying the type of the connected card and card information of the connected card; and

signal conversion means for establish a circuit line to exchange signals with the connected card based upon the result of identifying the type of the connected card which been output from the PC card identifying means,

wherein the pieces of second card information and the pieces of second identification information of the one or more types of expansion cards recorded in the second recording means can be updated from the outside; and

data updating means for update the pieces of second card information and the pieces of second identification information of the one or more types of expansion cards recorded in the second recording means of the PC card control device.

21. A PC card control device, comprising:

identification information acquiring means for acquiring identification information of a card connected with the PC card control device from the connected card with a method conforming to a standard;

first recording means for recording pieces of first card information and pieces of first identification information of one or more types of PC cards conforming to the standard;

second recording means for recording pieces of second card information and pieces of second identification information of one or more types of expansion cards not conforming to the standard;

identifying means for identifying a type of the connected card based upon the identification information of the connected card acquired by the identification information acquiring means and at least the pieces of second identification information recorded in the second recording means, and to output a result of identifying the type of the connected card; and

card information detecting means for detecting card information of the connected card based upon the result of identifying the type of the connected card by the card identifying means.

22. The PC card control device according to Claim 21, further comprising:

signal conversion means for establishing a circuit line to exchange signals with the connected card based upon the

result of identifying the type of the connected card which has been output from the card identifying means.

23. A computer system comprising:

a PC card control device including;

identification information acquiring means for acquiring identification information of a card connected with the PC card control device from the connected card with a method conforming to a standard,

first recording means for recording pieces of first card information and pieces of first identification information of one or more types of PC cards conforming to the standard,

second recording means for recording pieces of second card information and pieces of second identification information of one or more types of expansion cards not conforming to the standard,

card identifying means for identify a type of the connected card based upon the identification information of the connected card acquired by the identification information acquiring means and at least the pieces of second identification information recorded in the second recording means, and to output a result of identifying the type of the connected card, and

card information detect means for detecting card information of the connected card based upon the result of identifying the type of the connected card by the card identifying means; and

recognition means for recognizing the type of the connected card based upon the card information of the connected card which has been output by the PC card identifying means of the PC card control device.

24. A computer system comprising:

a PC card control device including;

identification information acquiring means for acquiring identification information of a card connected with the PC card control device from the connected card with a method conforming to a standard,

first recording means for recording pieces of first card information and pieces of first identification information of one or more types of PC cards conforming to the standard,

second recording means for recording pieces of second card information and pieces of second identification information of one or more types of expansion cards not conforming to the standard,

card identifying means for identifying a type of the connected card based upon the identification information of the connected card acquired by the identification information acquiring means and at least the pieces of second identification information recorded in the second recording means, and to output a result of identifying the type of the connected card, and

card information detect means for detecting card information of the connected card based upon the result of

identifying the type of the connected card by the card identifying means; and

data updating means for updating the pieces of second card information and the pieces of second identification information of the one or more types of expansion cards recorded in the second recording means of the PC card control device.

25. A PC card identifying method of identifying a type of a card connected with a PC card control device, comprising:

identifying the type of the connected card based upon 1) identification information of the connected card, which is acquired from the connected card by an identification information acquisition device of the PC card control device, and 2), among pieces of card information and pieces of identification information of one or more types of PC cards conforming to a standard and one or more types of expansion cards, which are stored in advance in a recording part of the PC card control device, the pieces of identification information being acquired by the identification information acquisition device when the one or more types of PC cards and the one or more types of expansion cards have been connected with the PC card control device, respectively, at least the pieces of identification information of the one or more types of expansion cards, and outputting a result of identifying the type of the connected card; and

establishing a circuit line to exchange signals with the connected card based upon the result of identifying the type

of the connected card,

wherein the pieces of card information and the pieces of identification information of the one or more types of expansion cards have been inputted from the outside to be stored in the recording part of the PC card control device.

26. A PC card identifying method of identifying a type of a card connected with a PC card control device, comprising:

storing pieces of card information and pieces of identification information of one or more types of PC cards conforming to a standard and one or more types of expansion cards not conforming to the standard in advance in the PC card control device;

acquiring identification information of the connected card from the connected card with a method conforming to the standard; and

identifying the type of the connected card based upon the identification information of the connected card acquired from the connected card and at least the pieces of identification information of the one or more types of expansion cards not conforming to the standard, and outputting a result of identifying the type of the connected card.

27. The PC card identifying method according to Claim 26, further comprising:

establishing a circuit line to exchange signals with the connected card based upon the result of identifying the type

of the connected card.

28. The PC card identifying method according to Claim 26, wherein in the storing step, the pieces of card information and the pieces of identification information of the one or more types of expansion cards are inputted from the outside to be stored in the PC card control device.

29. The PC card identifying method according to Claim 26 further comprising:

updating the pieces of card information and the pieces of identification information of the one or more types of expansion cards from the outside.

30. The PC card identifying method according to Claim 26, wherein the standard is a PCMCIA standard.

31. The PC card identifying method according to Claim 30, wherein the pieces of identification information of the one or more types of expansion cards stored in the PC card control device in the storing step are pieces of information that are acquired when PC cards conforming to the PCMCIA standard are connected with the PC control device, respectively, from the connected PC cards with the method conforming to the PCMCIA standard, first and second card detect signal lines and first and second voltage select lines of each of the PC cards being connected with each other as in any of following cases: a case

(1) wherein the first card detect signal line is connected with the first voltage select signal line and the second card detect signal line is connected with the second voltage select signal line, a case (2) wherein the first card detect signal line is connected with the second voltage select signal line and the second card detect signal line is connected with the first voltage select signal line, a case (3) wherein the first and second card detect signal lines are connected with the second voltage select signal line and the second voltage select signal line is grounded, a case (4) wherein the first and second card detect signal lines are connected with the first voltage select signal line and the first voltage select signal line is opened, a case (5) wherein the first and second card detect signal lines are connected with the first voltage select signal line and the second voltage select signal line is grounded, and a case (6) wherein the first and second card detect signal lines are connected with the first voltage select signal line and the second voltage select signal line is opened.

32. A computer program product comprising computer program instructions which when executed by a computer cause a PC card control device to perform a PC card identifying operation of identifying a type of a card connected with the PC card control device, the PC card identifying operation comprising:

identifying the type of the connected card based upon 1) identification information of the connected card, which is

acquired from the connected card by an identification information acquisition device of the PC card control device, and 2), among pieces of card information and pieces of identification information of one or more types of PC cards conforming to a standard and one or more types of expansion cards, which are stored in advance in a recording part of the PC card control device, the pieces of identification information being acquired by the identification information acquisition device when the one or more types of PC cards and the one or more types of expansion cards have been connected with the PC card control device, respectively, at least the pieces of identification information of the one or more types of expansion cards, and outputting a result of identifying the type of the connected card; and

establishing a circuit line to exchange signals with the connected card based upon the result of identifying the type of the connected card,

wherein the pieces of card information and the pieces of identification information of the one or more types of expansion cards have been inputted from the outside to be stored in the recording part of the PC card control device.

33. A computer program product comprising computer program instructions which when executed by a computer cause a PC card control device to perform a PC card identifying operation of identifying a type of a card connected with the PC card control device, the PC card identifying operation

comprising:

storing pieces of card information and pieces of identification information of one or more types of PC cards conforming to a standard and one or more types of expansion cards not conforming to the standard in advance in the PC card control device;

acquiring identification information of the connected card from the connected card with a method conforming to the standard; and

identifying the type of the connected card based upon the identification information of the connected card acquired from the connected card and at least the pieces of identification information of the one or more types of expansion cards not conforming to the standard, and outputting a result of identifying the type of the connected card.

34. The computer program according to Claim 33, the PC card identifying operation further comprising:

establishing a circuit line to exchange signals with the connected card based upon the result of identifying the type of the connected card.

35. The computer program according to Claim 33,

wherein in the storing step, the pieces of card information and the pieces of identification information of the one or more types of expansion cards are inputted from the outside to be stored in the PC card control device.

36. The computer program according to Claim 33, the PC card identifying operation further comprising:

updating the pieces of card information and the pieces of identification information of the one or more types of expansion cards from the outside.

37. The computer program according to Claim 33, wherein the standard is a PCMCIA standard.

38. The computer program according to Claim 37, wherein the pieces of identification information of the one or more types of expansion cards stored in the PC card control device in the storing step are pieces of information that are acquired when PC cards conforming to the PCMCIA standard are connected with the PC control device, respectively, from the connected PC cards with the method conforming to the PCMCIA standard, first and second card detect signal lines and first and second voltage select lines of each of the PC cards being connected with each other as in any of following cases: a case (1) wherein the first card detect signal line is connected with the first voltage select signal line and the second card detect signal line is connected with the second voltage select signal line, a case (2) wherein the first card detect signal line is connected with the second voltage select signal line and the second card detect signal line is connected with the first voltage select signal line, a case (3) wherein the first and

second card detect signal lines are connected with the second voltage select signal line and the second voltage select signal line is grounded, a case (4) wherein the first and second card detect signal lines are connected with the first voltage select signal line and the first voltage select signal line is opened, a case (5) wherein the first and second card detect signal lines are connected with the first voltage select signal line and the second voltage select signal line is grounded, and a case (6) wherein the first and second card detect signal lines are connected with the first voltage select signal line and the second voltage select signal line is opened.

39. A computer readable medium storing computer program instructions which when executed by a computer cause a PC card control device to perform a PC card identifying operation of identifying a type of a card connected with the PC card control device, the PC card identifying operation comprising:

identifying the type of the connected card based upon 1) identification information of the connected card, which is acquired from the connected card by an identification information acquisition device of the PC card control device, and 2), among pieces of card information and pieces of identification information of one or more types of PC cards conforming to a standard and one or more types of expansion cards, which are stored in advance in a recording part of the PC card control device, the pieces of identification information being acquired by the identification information acquisition device

when the one or more types of PC cards and the one or more types of expansion cards have been connected with the PC card control device, respectively, at least the pieces of identification information of the one or more types of expansion cards, and outputting a result of identifying the type of the connected card; and

establishing a circuit line to exchange signals with the connected card based upon the result of identifying the type of the connected card,

wherein the pieces of card information and the pieces of identification information of the one or more types of expansion cards have been inputted from the outside to be stored in the recording part of the PC card control device.

40. A computer readable medium storing computer program instructions which when executed by a computer cause a PC card control device to perform a PC card identifying operation of identifying a type of a card connected with the PC card control device, the PC card control operation comprising:

storing pieces of card information and pieces of identification information of one or more types of PC cards conforming to a standard and one or more types of expansion cards not conforming to the standard in advance in the PC card control device;

acquiring identification information of the connected card from the connected card with a method conforming to the standard; and

identifying the type of the connected card based upon the identification information of the connected card acquired from the connected card and at least the pieces of identification information of the one or more types of expansion cards not conforming to the standard, and outputting a result of identifying the type of the connected card.

41. The computer readable medium according to Claim 40, the PC card identifying operation further comprising:

establishing a circuit line to exchange signals with the connected card based upon the result of identifying the type of the connected card.

42. The computer readable medium according to Claim 40, wherein in the storing step, the pieces of card information and the pieces of identification information of the one or more types of expansion cards are inputted from the outside to be stored in the PC card control device.

43. The computer readable medium according to Claim 40, the PC card identifying operation further comprising:

updating the pieces of card information and the pieces of identification information of the one or more types of expansion cards from the outside.

44. The computer readable medium according to Claim 40, wherein the standard is a PCMCIA standard.

45. The computer readable medium according to Claim 44, wherein the pieces of identification information of the one or more types of expansion cards stored in the PC card control device in the storing step are pieces of information that are acquired when PC cards conforming to the PCMCIA standard are connected with the PC control device, respectively, from the connected PC cards with the method conforming to the PCMCIA standard, first and second card detect signal lines and first and second voltage select lines of each of the PC cards being connected with each other as in any of following cases: a case (1) wherein the first card detect signal line is connected with the first voltage select signal line and the second card detect signal line is connected with the second voltage select signal line, a case (2) wherein the first card detect signal line is connected with the second voltage select signal line and the second card detect signal line is connected with the first voltage select signal line, a case (3) wherein the first and second card detect signal lines are connected with the second voltage select signal line and the second voltage select signal line is grounded, a case (4) wherein the first and second card detect signal lines are connected with the first voltage select signal line and the first voltage select signal line is opened, a case (5) wherein the first and second card detect signal lines are connected with the first voltage select signal line and the second voltage select signal line is grounded, and a case (6) wherein the first and second card detect signal lines are

connected with the first voltage select signal line and the second voltage select signal line is opened.